

Title (en)  
PISTON FOR DIE CASTING MACHINE

Title (de)  
KOLBEN FÜR EINE SPRITZGUSSMASCHINE

Title (fr)  
PISTON POUR MACHINE DE COULÉE SOUS PRESSION

Publication  
**EP 3504018 A1 20190703 (EN)**

Application  
**EP 17777080 A 20170828**

Priority  
• IT 201600087839 A 20160829  
• IB 2017055154 W 20170828

Abstract (en)  
[origin: WO2018042308A1] A piston head for a die-casting machine, in particular a cold chamber type, comprises a front surface (22; 222) for pushing the molten metal and a side wall (24) extending around a head axis (X), wherein at least one ring seat (18) is provided in said side wall suitable to receive a sealing ring (16). The bottom (19) of the ring seat (18) is connected to the front surface through holes (32) or connection channels (40) for a metal flow under the sealing ring. The holes or connection channels lead into an annular peripheral portion (22'; 222') of said front surface, said annular peripheral portion being inclined with respect to a front plane orthogonal to said head axis (X) so as to be turned towards said head axis (X).

IPC 8 full level  
**B22D 17/20** (2006.01)

CPC (source: EP US)  
**B22D 17/203** (2013.01 - EP US); **F16J 1/006** (2013.01 - US); **F16J 15/3448** (2013.01 - US)

Citation (search report)  
See references of WO 2018042308A1

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